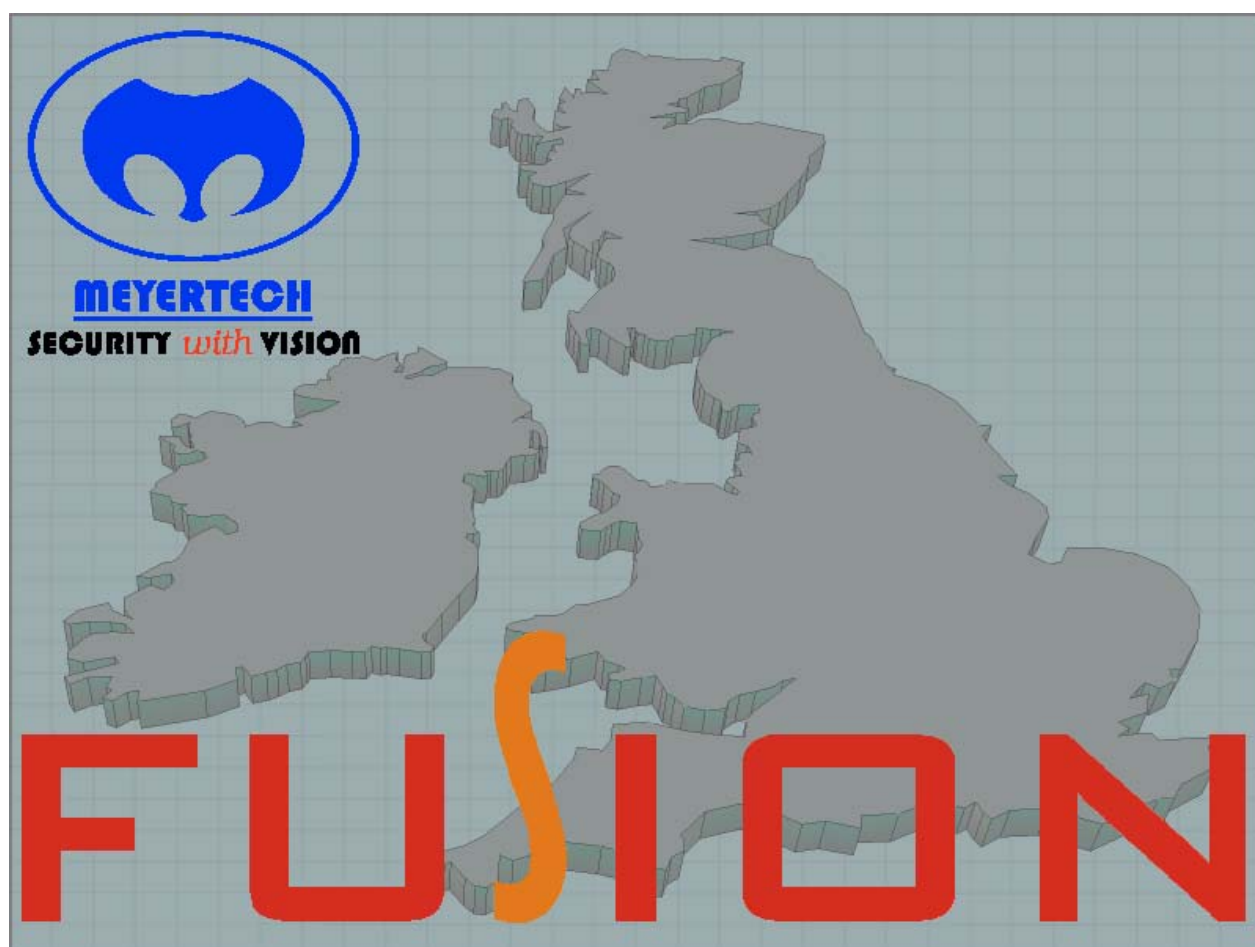


FUSION

FUSION-AUDIT-ZVK INSTALLATION GUIDE



FUSION-AUDIT-ZVK

FUSION-AUDIT-ZVK Installation Guide

Issue 01

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Introduction

Thank you for purchasing Meyertech's FUSION-AUDIT-ZVK software. Please read this user guide prior to using FUSION Audit ZVK.

What is FUSION-AUDIT-ZVK?

FUSION-AUDIT-ZVK is a software application developed by Meyertech, which will provide an auditable log of activities on Meyertech ZVK keyboards, 3rd parties connected to ZSC-250s, Internal events on the ZSC such as alarms, alarm events, timed events and sequences without the requirement of running FUSION.

FUSION-AUDIT-ZVK communicates with the CCTV systems Site Controller to produce a log of operator activity when using Meyertech's Site mode and Classic mode.

The features described in this manual refer to :

Version 1.0.0.0 of the FUSION-AUDIT-ZVK Application

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KEY FEATURES

- Command auditing of the Meyertech keyboards, 3rd Party connections, Alarms, Alarm Events, Timed Events and Sequences
- FusionAudit compatible
- Fusion compatible
- Will operate as a background process on your Management PC or Fusion WS

FUSION-AUDIT-ZVK Overview

Workstation RS232 serial ports

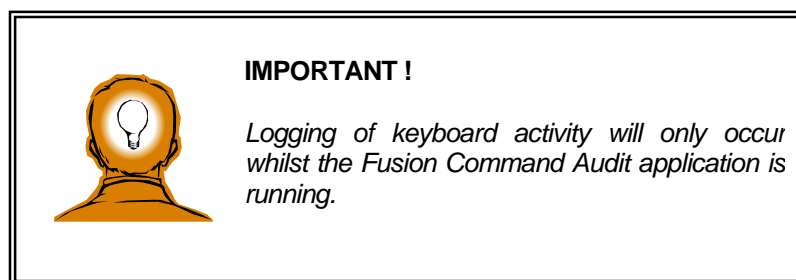
Access is required to a dedicated serial port, through which the application communicates with the Meyertech Site Controller.

See installation diagram overleaf.

Operating Mode

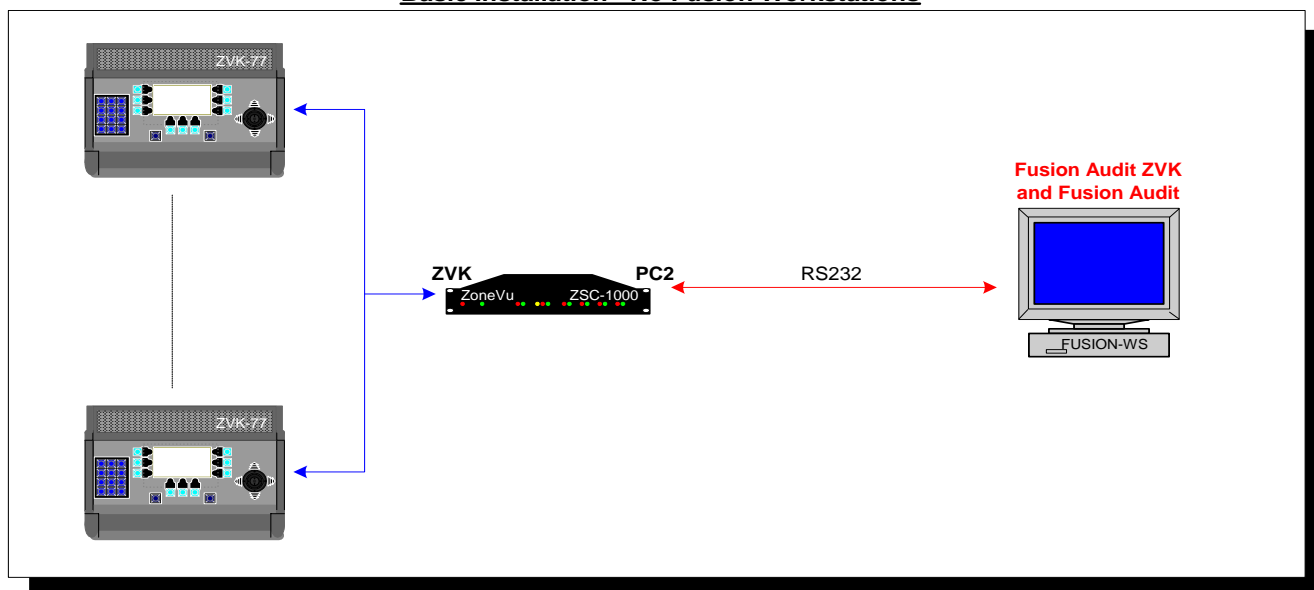
FUSION-AUDIT-ZVK is an application that operates in the background on your PC or Workstation.

Once the application is configured and running no user input is required.

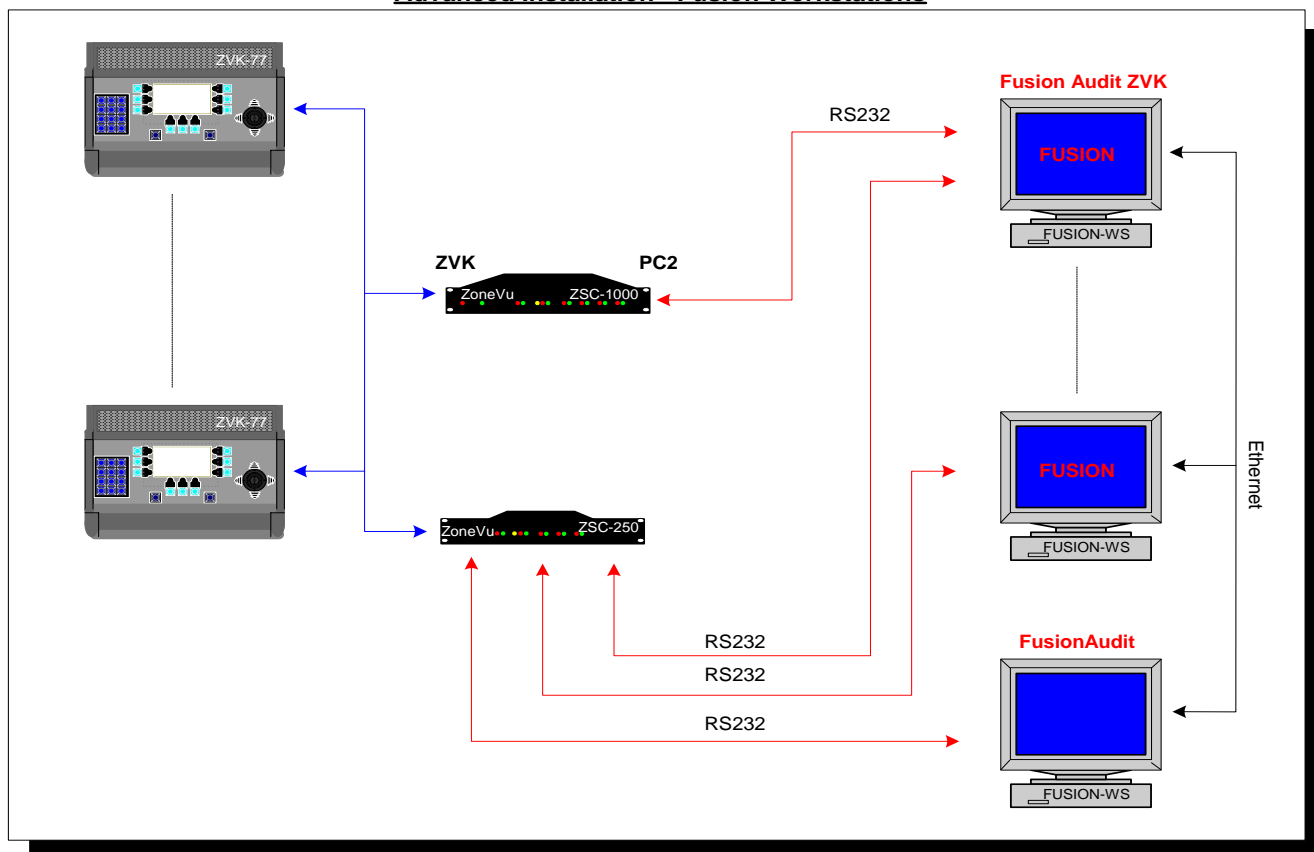


Installation

Basic Installation - No Fusion Workstations



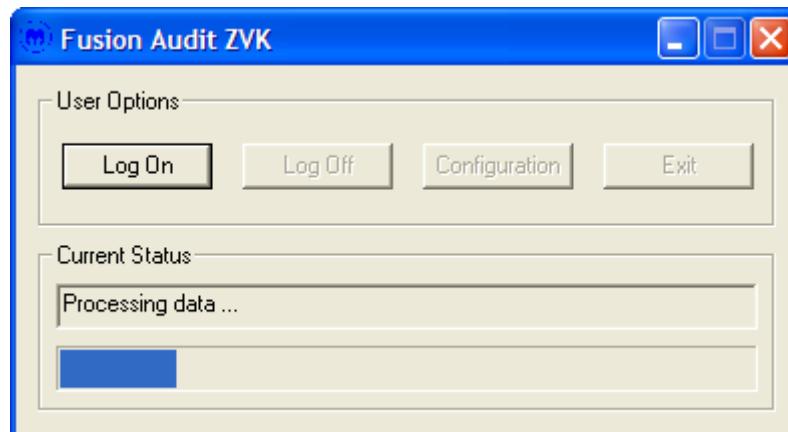
Advanced Installation - Fusion Workstations



Background Mode

In this mode, the application is generating a log of all the relevant operator commands.

The commands are stored in a file that is understood by FusionAudit. FusionAudit, running independently will import and truncate this log to produce the audit log.



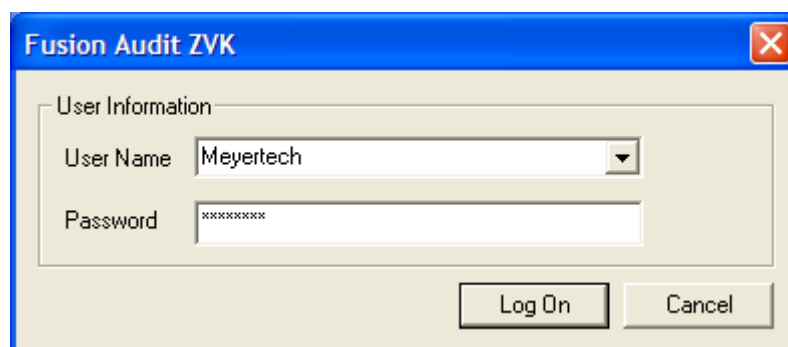
Current Status

This dialog will report the current status of the connection between FUSION-AUDIT-ZVK and the Meyertech ZoneVu CCTV system.

User Options

Before any user options can be selected, the operator must **Log On**. **Log On** is restricted to Manager and Engineer level user accounts.

Log On – Use this button to display the **Log On** dialog.



Log Off – Use this button to **Log Off** and return FUSION-AUDIT-ZVK to its background operating mode.

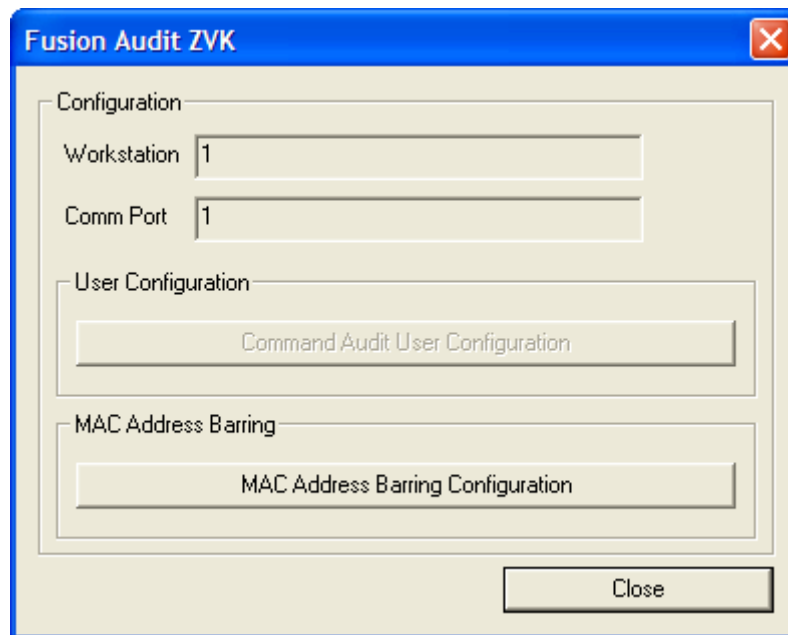
Configuration – Use this button to display the configuration dialog (see next section).

Exit – Use this button to exit the application. Once the application is closed, keyboard activity will no longer be logged.

Configuration Mode

Configuration mode is selected from background mode, by **logging on** then selecting the configuration option.

Only those operators of the correct login priority will be allowed to access the configuration.



Workstation

This number identifies the FUSION-AUDIT-ZVK application as a virtual workstation. It should therefore be different to any other Fusion Workstations on the CCTV system. See the Registry Configuration section for further details.

Comm Port

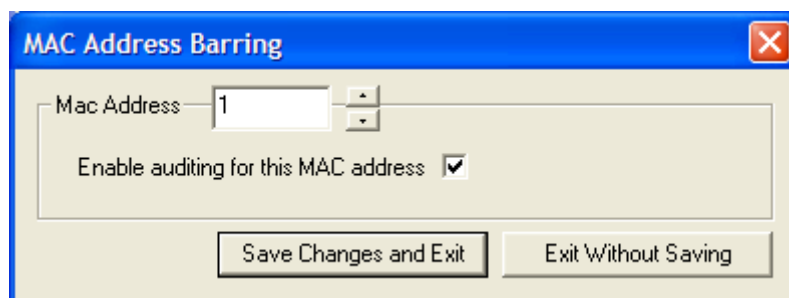
A free serial communications port must be dedicated for use by FUSION-AUDIT-ZVK. See the Registry Configuration section for further details.

User Configuration

This section is reserved for future development.

MAC Address Barring

This section allows the user to specify which MAC addresses should not be audited by FUSION-AUDIT-ZVK. This is done via the MAC Address Barring dialog.



This screen lists the available MAC addresses on the system. For each of the available MAC addresses there is a tick box which the user can use to specify whether the selected MAC address is audited.

Once changes have been made the user can either save the changes and exit the dialog or exit without saving.

Registry Configuration

The two registry entries that need to be configured for FUSION-AUDIT-ZVK can be modified by using the registry editor. The registry editor can be launched by selecting the Start Menu in Windows and then clicking “Run...”

From the run prompt, type “Regedit.exe” to launch the registry editor.

The registry values that may need to be modified can be found under the following registry key:

HKEY_CURRENT_USER\Software\Meyertech\FUSION-AUDIT-ZVK

The registry values within this key are as follows:

Registry Key	Description	Default setting
Communications\Port	Communications port	1
Workstation\Number	Workstation number to use for Audit files	1



WARNING !

Editing the registry can cause problems to the system. These steps must only be completed by a competent computer user.

ZSC-1000plus Configuration

The PC2 port of the ZSC-1000plus site controller must be enabled for use with FUSION-AUDIT-ZVK.

This is done using Meyertech's **Mpower** software to select the "Audit Mode" option on the PC2 port. The default baud rate of 9600 baud should also be selected.

Please refer to the ZSC-1000plus and Mpower manuals for further details.

User Configuration

In order for FUSION-AUDIT-ZVK to effectively audit a CCTV system it is very important to ensure that the user lists are synchronised correctly between the keyboard and FusionAudit.

To synchronise the users from the Fusion user list to FusionAudit is a two step process. Firstly the user list has to be exported using FusionEdit. This is done in the operator configuration screen by clicking the button in the FusionAudit section labelled "Synchronise".

Secondly, the user list must be imported into FusionAudit. This is done in FusionAudit via Database Administration → System tab → Fusion Users Synchronisation. Once the synchronise button is pressed FusionAudit will complete the synchronisation process.

Please refer to the FusionAudit and FusionEdit manuals for further details.



WARNING !

It is essential that the above tasks are done in the order that is stated. Firstly, synchronise from FusionEdit and secondly synchronise from FusionAudit.

ZVK Configuration

While FUSION-AUDIT-ZVK will audit any Meyertech ZVK keyboard it is important to note that only the ZVK-77D supports User Synchronisation. This means that while the ZVK-77D will log commands associated with a particular user, other keyboards will log commands associated with the actual keyboard itself (keyboards 1-12 are supported).

The User Logins on the ZVK-77D keyboards can be synchronised with FusionAudit for use with FUSION-AUDIT-ZVK.

In Mpower the operator information can be added manually or imported using a Fusion operator data file. Please refer to the ZVK-77D and Mpower manuals for further details.

Logged Commands

FUSION-AUDIT-ZVK generates FusionAudit compatible log files. If all applications are correctly configured and synchronised then a full audit of the operator commands on the ZVK keyboards, when running in either PCI or Classic mode, will be produced.

Below is a table detailing those operator commands that are logged.

User Operation	Notes
Operator Commands	
Log On	
Log Off	
Camera Selected	
Selected	
Controlled	
Submit	
Deny	
Assert	Additional FusionAudit configuration required
Relinquish	Additional FusionAudit configuration required
Trunk (remote site)	
Grant	
Deny	
Submit	
Application	
Start	
Exit	
Sequence	
Start	
Release	
Forward	
Backward	
Pause	
Continue	
Camera Alarms	
Accept	
Active	
Clear	
Panel Alarms	
Accept	
Active	
Clear	Additional FusionAudit configuration required
Peripheral Alarms	
Accept	
Active	
Clear	

Required Software

The following software versions are required from Meyertech for FUSION-AUDIT-ZVK.

FusionAudit 1.6.1.0 and Later

This will be used to synchronise the user lists and will be used to view the data that is gathered by FUSION-AUDIT-ZVK.

FUSION-AUDIT-ZVK 1.0.0.0 and Later

This will be used to audit the CCTV network.

FusionEdit 1.18.0.0 and Later

This will be used to synchronise the user lists with FusionAudit.

Mpower 2.20.0.0 and Later

This will be used to synchronise the ZVK-77D user lists with the Fusion user lists and will also be used to set the ZSC-1000 into audit mode.

Servicing and Support

Servicing

See your FUSION manual.

Returns Procedure

See your FUSION manual

Support

Meyertech offer comprehensive levels of support during the product's warranty period. Our support team will be happy to help with any problem you may experience relating to the installation or operation of FUSION-AUDIT-ZVK.

1. Telephone support (+44(0)161 628 8406), which is available during normal office hours 9AM – 5PM Monday to Friday excluding Bank holidays. This support is free of charge.
2. Email support. Available 24 hours a day. Our normal response to emails is next working day. This support is free of charge. support@meyertech.co.uk
3. By Facsimile (+44(0)161 628 9811). Available 24 hours a day. Our normal response to facsimiles is next working day. This support is free of charge.
4. Site visits. Subject to availability, our engineers are available to attend site to assess and help with particular system problems firsthand. This service is chargeable. Please contact our Support department on +44(0)161 628 8406 for further details and availability.

Meyertech offer Extended Support Contracts on all their software products. Please contact our Sales department on 0161 628 8406 to discuss your requirements or visit our website www.meyertech.co.uk

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Meyertech Limited is a member of the CCTV User Group.

Warranty

Please refer to Meyertech Limited 'Terms & Conditions of Sale of Goods & Services' for interpretation.

1. If the Buyer establishes to the Seller's reasonable satisfaction that there is a defect in the materials or workmanship of the Goods manufactured, then the Seller shall at its option, at its sole discretion and within a reasonable time,
 - a. arrange for the repair or making good such defect or failure in such Goods free of charge to the Buyer (including all costs of transportation of any Goods or materials to and from the Buyer for that purpose),
 - b. replace such Goods with Goods which are in all respects in accordance with the Contract, or

subject, in every case, to the remaining provisions of this Condition 1 provided that the liability of the Seller under this Condition 1 shall in no event exceed the purchase price of such Goods and performance of any one of the above options shall constitute an entire discharge of the Seller's liability under this warranty.

2. Condition 1 shall not apply unless the Buyer:
 - a. notifies the Seller in writing of the alleged defect within 12 (twelve) months from delivery or such other period or periods as may be agreed in writing between the Seller and the Buyer, and
 - b. allows the Seller a reasonable opportunity to inspect the relevant Goods.
3. For the avoidance of doubt, the Seller shall be under no liability under the warranty in Condition 1 above:
 - a. where such defects arise from any drawing, design or specification supplied by the Buyer; or
 - b. where such defects arise from fair wear and tear, wilful damage, or negligence of a party other than the Seller (or its employees or authorised personnel), abnormal working conditions, failure to follow the Seller's instructions (whether oral or in writing), misuse or alteration or repair of the Goods without the Seller's approval; or
 - c. where such defects arise in parts, materials or equipment which have not been manufactured or designed by the Seller but have been purchased at the Buyer's request by the Seller from the Buyer's designer and manufacturer or from some other third party (the "**Third Party Supplier**").
 - d. if the total price of the Goods has not been paid by the due date for payment
 - e. in respect of any type of defect, damage or wear specifically excluded by the Seller by notice in writing; or
 - f. if the Buyer makes any further use of the Goods after giving notice in accordance with Clause 1
4. Any repaired or replaced Goods shall be redelivered to the Buyer free of charge to the original point of delivery but otherwise in accordance with and subject to these Conditions.
5. Alternatively to Condition 1 the Seller shall be entitled at its absolute discretion on return of the defective Goods to the Seller (at the Seller's request) to refund the price of the defective Goods in the event that such price shall already have been paid by the Buyer to the Seller, or, if such price has not been paid, to relieve the

Buyer of all obligation to pay the sum by the issue of a credit note in favour of the Buyer in the amount of such price.

6. In respect of all Goods supplied to the Seller by a Third Party Supplier the Seller will on request pass on to the Buyer (in so far as reasonably possible) the benefit of any warranty given to the Seller by such Third Party Supplier and will (on request) supply to the Buyer details of the terms and conditions of such warranty and copies of any relevant product information sheets, technical data sheets or product leaflets issued by such Third Party Supplier and the Buyer shall be solely responsible to the entire exclusion of the Seller for complying with the same.
7. For the purposes of Condition 1 references to Goods shall be deemed to exclude software.
8. The Buyer acknowledges that software in general is not error-free and agrees that the existence of such errors in the Software Programs shall not constitute a breach of this Contract.
9. In the event that the Buyer discovers a material error which results in the Programmed Products not performing substantially in accordance with the Functional Specification, or the Licensed Programs not performing substantially in accordance with the relevant Program Documentation and notifies the Seller of the error within 90 days from the date of the Seller making available the respective software to the Buyer (the **`warranty period'**) the Seller shall at its sole option either refund the price which the Buyer has paid to the Seller (or if such price has not been paid, relieve the Buyer of all obligations to pay the sum) in respect of the respective software or use all reasonable endeavours to correct by patch or new release (at its option) that part of the software which does not so comply provided that such non-compliance has not been caused by any modification, variation or addition to the software not performed by the Seller or caused by its incorrect use, abuse or corruption of the software by use of the software with other software or on equipment with which it is incompatible,
10. To the extent permitted by English law, the Seller disclaims all other warranties, with respect to the software which it provides pursuant to the Contract, either express or implied, including but not limited to any implied warranties of satisfactory quality or fitness for any particular purpose.
11. The Buyer is solely responsible for various scanning the software that it receives from the Seller pursuant to the Contract.
12. The Seller warrants that it will use reasonable skill and care in providing the Services to the buyer

Minimum System Requirements

The minimum recommended PC hardware to run FUSION-AUDIT-ZVK is dictated by the Operating System you are running, i.e. that recommended by Microsoft for running a particular Operating System. FUSION-AUDIT-ZVK also requires:

1. One free Serial RS232 port
2. SVGA 1024 x 768 colour monitor
3. Fusion Audit

Recommended operating systems for FUSION-AUDIT-ZVK are:

1. Microsoft Windows 2000
2. Microsoft Windows XP (default new installation unless specified)

Appendix A

FUSION AUDIT ZVK Recovery Procedure

If FUSION-AUDIT-ZVK fails to respond to user input the program or operating system might have crashed. The problem may manifest itself in a number of ways EG a Windows error screen may appear advising the application is about to close, the appearance of the egg-timer icon indicating the system is executing a command; but never completes it resulting in a 'locked-up' appearance; ETC

Fault Logging and Reporting

In order for faults to be fixed in future releases of Windows and FUSION-AUDIT-ZVK it is important that all faults are logged and reported to Meyertech.

When you experience a fault please note down as much information as you can about the status of the system when the fault occurred IE:

- What operation, if any was being performed at the time the fault occurred?
- If there are any error messages on the screen please carefully note them down before clearing them.
- How did you rectify the fault EG reset the PC

General Recovery from a Fault

If a minor fault occurs recovery can normally be achieved by simply closing the FUSION-AUDIT-ZVK application and then restarting the application. If the problem persists you may have to restart Windows by quitting FUSION-AUDIT-ZVK and restarting Windows.

Recovery from a Major Fault

Recovery from a more serious fault may mean you cannot exit FUSION-AUDIT-ZVK. In this case follow the procedure below:

1. Locate the PC keyboard and press Ctrl, Alt, Delete simultaneously.
2. A pop-up window will appear giving you the option to end applications, which are currently running.
3. Select 'FUSION-AUDIT-ZVK' followed by 'End Task'
4. Restart FUSION-AUDIT-ZVK by double clicking the FUSION-AUDIT-ZVK icon on the desktop.

Alternatively if Ctrl, Alt, Delete does not work. Locate the PC and press the reset button. If the PC does not have a reset button power-down the PC, wait five minutes and then power-up the PC.

If all of the above fail it is possible data corruption has occurred. You may have to:

1. Re-install FUSION-AUDIT-ZVK.
2. Please contact Meyertech Support.